CLAIMS

What is claimed is:

1.   In a system for electronically transmitting to an electronic mail (e-
mail) server electronic data derived from optically scanning a document, a
method for recovering from a failure in the complete transmission of the
electronic data to the e-mail server, the method comprising:

    (a)   storing the electronic data to a storage device;

    (b)   detecting a failure in the complete transmission of electronic
data to the e-mail server;

    (c)   establishing communication with the e-mail server; and,

    (d)   transmitting the electronic data from the storage device to
the e-mail server.

2.   The method of claim 1 wherein the failure includes an interruption
in electrical power, wherein storing the electronic data to a storage device
includes storing the electronic data to a non-volatile storage device, and wherein
detecting the failure in the complete transmission of electronic data includes
examining the storage device for the electronic data after the interruption in
electrical power.

3.   The method of claim 1 further including monitoring a
communication status with the e-mail server, wherein the failure includes a
failure in communications with the e-mail server, and wherein detecting the
failure includes detecting the failure in communications with the e-mail server.

4.   The method of claim 1 further including before detecting the
failure, establishing communication with the e-mail server and wherein the
failure interrupts communication with the e-mail server.

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1   5.   The method of claim 4 further including before detecting the failure

2   and after establishing communication with the e-mail server, beginning

3   transmission of the electronic data to the e-mail server and wherein the failure

4   interrupts the transmission of electronic data to the e-mail server from the

5   storage device.

1   6.   The method of claim 1 further including confirming receipt of the

2   electronic data by the e-mail server.

1   7.   The method of claim 1 further including removing the electronic

2   data from the storage device after the transmission of electronic data to the e-

3   mail server.

1   8.   A system for recovering from a failure in a complete transmission

2   of electronic data to the e-mail server, the system comprising:

3   (a)   scanning hardware for optically scanning a document to

4   create electronic data;

5   (b)   a storage device for storing the electronic data;

6   (c)   means for detecting a failure to completely transmit the

7   electronic data to the e-mail server; and,

8   (d)   means for transmitting the electronic data from the storage

9   device to the e-mail server.

1   9.   The system of claim 8 wherein the failure includes an interruption

2   in electrical power, wherein the storage device is a non-volatile storage device,

3   and wherein the means for detecting the failure includes means for examining

4   the storage device for the electronic data after a restoration of electrical power.

1   10.   The system of claim 8 further including means for monitoring a

2   communication status with the e-mail server, wherein the failure includes a

3   failure in communications with the e-mail server, and wherein the means for

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4   detecting the failure includes means for detecting the failure in communications

5   with the e-mail server.

1   11.   The system of claim 8 further including means for confirming

2   receipt of the electronic data by the e-mail server.

1   12.   The system of claim 8 further including means for removing the

2   electronic data from the storage device after the transmission of electronic data

3   to the e-mail server.

1   13.   A program storage system readable by a computer, tangibly

2   embodying a program, applet, or instructions executable by the computer to

3   perform method steps for recovering from a failure in a complete transmission of

4   electronic data to an e-mail server, the electronic data derived from optically

5   scanning a document, the method steps comprising:

6   (a)   storing the electronic data to a storage device;

7   (b)   detecting a failure in the complete transmission of electronic

8   data to the e-mail server; and,

9   (c)   establishing communication with the e-mail server; and,

10   (d)   transmitting the electronic data from the storage device to

11 the e-mail server.

1   14.   The program storage system of claim 13 wherein the failure

2   includes an interruption in electrical power, wherein the method step of storing

3   the electronic data to a storage device includes storing the electronic data to a

4   non-volatile storage device, and wherein the method step of detecting the failure

5   in the complete transmission of electronic data includes examining the storage

6   device for the electronic data after the interruption in electrical power.

1   15.   The program storage system of claim 13 further including the

2   method step of monitoring a communication status with the e-mail server,

3 wherein the failure includes a failure in communications with the e-mail server,

4 and wherein the method step of detecting the failure includes detecting the

5 failure in communications with the e-mail server.

1   16.   The program storage system of claim 13 further including the

2 method step, before detecting the failure, establishing communication with the

3 e-mail server and wherein the failure interrupts communication with the e-mail

4 server.

1   17.   The program storage system of claim 16 wherein the method step

2 of detecting the failure includes detecting a failure in communication with the e-

3 mail server.

1   18.   The program storage system of claim 16 further including the

2 method step, before detecting the failure and after establishing communication

3 with the e-mail server, beginning transmission of the electronic data to the e-

4 mail server and wherein the failure interrupts the transmission of electronic data

5 to the e-mail server.

1   19.   The program storage system of claim 13 further including the

2 method step, confirming receipt of the electronic data by the e-mail server.

1   20.   The program storage system of claim 13 further including the

2 method step, removing the electronic data from the storage device after the

3 transmission of electronic data to the e-mail server.

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